

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1 | 1 | ("6705242").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 10:35 |
| L2 | 18 | ("2807056" "2977106" "3032835" "3150618" "3678624" "3711993" "3766844" "4111753" "5233932" "5263425" "5711706" "5884569" "6173662" "RE36912").PN. OR ("6705242").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 10:35 |
| L6 | 3 | ((controlled adj flow adj rate) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:19 |
| L7 | 259 | ((flow with rate) or (pressure with control\$2)) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:20 |
| L8 | 237 | ((flow adj rate) or (pressure with control\$2)) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:20 |
| L9 | 131 | ((flow adj rate) or (pressure adj control\$2)) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:22 |
| L10 | 5 | ((flow adj rate) or (pressure adj control\$2)) same gas) and (explosive or ordnance) and weapon and iris | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:22 |
| L11 | 23 | ((flow with rate) or (pressure with control\$2)) same gas) and (explosive or ordnance) and weapon and iris | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:31 |
| L13 | 150 | ((flow with rate) or (pressure with control\$2 with (opening or iris))) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:32 |
| L14 | 11 | ((pressure with control\$2 with (opening or iris))) same gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:33 |
| L15 | 6 | ((pressure same control\$2 same (opening or iris))) same gas) and (explosive or ordnance) and weapon and exhaust and processing | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:38 |

EAST Search History

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| L16 | 13 | ("3766866" "5028452" "5256854" "5288969" "5410121" "5541386" "5743196" "5779991" "5798496" "5874014" "6187988").PN. OR ("6552295").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:37 |
| L17 | 23 | ((((pressure same control\$2 same (valve or iris))) same gas) and (explosive or ordnance) and weapon and exhaust and processing | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:44 |

EAST Search History

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|---|----|--|------------------------------|----|------|------------------|
| L18 | 70 | US-3169478-\$.DID. OR US-3435763-\$.DID. OR US-4079612-\$.DID. OR US-5419862-\$.DID. OR US-5970841-\$.DID. OR US-0050524-\$.DID. OR US-0126976-\$.DID. OR US-0129025-\$.DID. OR US-2789076-\$.DID. OR US-2807056-\$.DID. OR US-2931751-\$.DID. OR US-2977106-\$.DID. OR US-3032835-\$.DID. OR US-3150618-\$.DID. OR US-3192098-\$.DID. OR US-3239092-\$.DID. OR US-3678624-\$.DID. OR US-3711993-\$.DID. OR US-3766844-\$.DID. OR US-3801416-\$.DID. OR US-4013190-\$.DID. OR US-4055247-\$.DID. OR US-4111753-\$.DID. OR US-4149649-\$.DID. OR US-4325309-\$.DID. OR US-4432285-\$.DID. OR US-4478126-\$.DID. OR US-4478350-\$.DID. OR US-4545286-\$.DID. OR US-4574105-\$.DID. OR US-4632041-\$.DID. OR US-4709453-\$.DID. OR US-4727789-\$.DID. OR US-4824624-\$.DID. OR US-5044252-\$.DID. OR US-5149911-\$.DID. OR US-5207176-\$.DID. OR US-5233932-\$.DID. OR US-5263425-\$.DID. OR US-5329864-\$.DID. OR US-5333532-\$.DID. OR US-5481062-\$.DID. OR US-5522326-\$.DID. OR US-5613453-\$.DID. OR US-5668342-\$.DID. OR US-5689084-\$.DID. OR US-5727481-\$.DID. OR US-5884569-\$.DID. OR US-5884709-\$.DID. OR US-RE36912-\$.DID. OR US-6173662-\$.DID. OR US-6196107-\$.DID. OR US-6200664-\$.DID. OR US-6342186-\$.DID. OR US-6354181-\$.DID. OR US-6647851-\$.DID. OR US-6705242-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:44 |
| 5/24/2006 1:54:58 PM C:\Documents and Settings\sknox\My Documents\EAST\Workspaces\10_821020.wsp | | | | | Page | |

EAST Search History

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|-----|------|--|------------------------------|----|-----|------------------|
| L19 | 5 | L18 and (pressure with gas with valve) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:50 |
| L20 | 228 | (86/50).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L21 | 67 | (588/321).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L22 | 3 | (588/400).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L23 | 81 | (588/401).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L24 | 517 | (422/172).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L25 | 1213 | (422/171).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L26 | 1931 | (422/177).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 11:52 |
| L27 | 7 | (L20 L21 L22 L23 L24 L25 L26) and (pressure same gas same valve same constant same volume) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:56 |
| L28 | 237 | (L20 L21 L22 L23 L24 L25 L26) and (exhaust with gas) and (pressure with valve) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:57 |
| L29 | 122 | (L20 L21 L22 L23 L24 L25 L26) and (exhaust with gas) same (pressure with valve) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 11:57 |
| L30 | 7 | (L20 L21 L22 L23 L24 L25 L26) and (exhaust with gas) same (pressure with valve) and (explosive or ordnance) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:03 |
| L31 | 1 | (L20 L21 L22 L23 L24 L25 L26) and (exhaust adj gas adj pressure) and (pressure with valve) and (explosive or ordnance) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:03 |
| L32 | 1262 | (exhaust with gas with pressure) and (pressure with valve) and (explosive or ordnance) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:04 |

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|-----|----|--|------------------------------|----|----|------------------|
| L33 | 16 | (exhaust with gas with pressure) and (pressure with valve) and (explosive or ordnance) and (toxic or hazardous or chemical) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:06 |
| L34 | 3 | (exhaust with gas with pressure with valve) and (explosive or ordnance) and (toxic or hazardous or chemical) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:07 |
| L35 | 16 | (exhaust with gas with pressure with valve) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:09 |
| L36 | 13 | (exhaust and gas and pressure and valve) and (explosive or ordnance) and weapon and (pulse and limiter) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:47 |
| L37 | 10 | l18 and pressure and gas and valve | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:24 |
| L38 | 21 | (exhaust and gas and pressure and iris) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/24 12:47 |

EAST Search History

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|---|----|--|------------------------------|----|--------|------------------|
| S1 | 70 | US-3169478-\$.DID. OR US-3435763-\$.DID. OR US-4079612-\$.DID. OR US-5419862-\$.DID. OR US-5970841-\$.DID. OR US-0050524-\$.DID. OR US-0126976-\$.DID. OR US-0129025-\$.DID. OR US-2789076-\$.DID. OR US-2807056-\$.DID. OR US-2931751-\$.DID. OR US-2977106-\$.DID. OR US-3032835-\$.DID. OR US-3150618-\$.DID. OR US-3192098-\$.DID. OR US-3239092-\$.DID. OR US-3678624-\$.DID. OR US-3711993-\$.DID. OR US-3766844-\$.DID. OR US-3801416-\$.DID. OR US-4013190-\$.DID. OR US-4055247-\$.DID. OR US-4111753-\$.DID. OR US-4149649-\$.DID. OR US-4325309-\$.DID. OR US-4432285-\$.DID. OR US-4478126-\$.DID. OR US-4478350-\$.DID. OR US-4545286-\$.DID. OR US-4574105-\$.DID. OR US-4632041-\$.DID. OR US-4709453-\$.DID. OR US-4727789-\$.DID. OR US-4824624-\$.DID. OR US-5044252-\$.DID. OR US-5149911-\$.DID. OR US-5207176-\$.DID. OR US-5233932-\$.DID. OR US-5263425-\$.DID. OR US-5329864-\$.DID. OR US-5333532-\$.DID. OR US-5481062-\$.DID. OR US-5522326-\$.DID. OR US-5613453-\$.DID. OR US-5668342-\$.DID. OR US-5689084-\$.DID. OR US-5727481-\$.DID. OR US-5884569-\$.DID. OR US-5884709-\$.DID. OR US-RE36912-\$.DID. OR US-6173662-\$.DID. OR US-6196107-\$.DID. OR US-6200664-\$.DID. OR US-6342186-\$.DID. OR US-6354181-\$.DID. OR US-6647851-\$.DID. OR US-6705242-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 18:52 |
| 5/24/2006 1:54:58 PM C:\Documents and Settings\sknox\My Documents\EAST\Workspaces\10_821020.wsp | | | | | Page 6 | |

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|-----|-----|---|---|----|-----|------------------|
| S2 | 228 | (86/50).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 11:17 |
| S3 | 40 | (588/321).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 11:18 |
| S4 | 3 | (588/400).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 11:18 |
| S5 | 81 | (588/401).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/04 11:18 |
| S6 | 120 | S3 or S4 or S5 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/04 11:22 |
| S7 | 1 | (detonation adj chamber) and (emission adj treater) and (expansion adj chamber) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/04 11:22 |
| S8 | 1 | (detonation) and (emission) and (expansion) and chamber and treater | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/04 11:22 |
| S9 | 1 | detonation and emission and chamber and treater | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/05 15:03 |
| S10 | 3 | detonation and emission and chamber and treater | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/05 15:03 |
| S11 | 46 | emission and treater and alkaline and (powder or solid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:03 |
| S12 | 434 | chemical near2 weapon and (detonation or detonate or destruction or destroy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/05 15:06 |
| S13 | 144 | S12 and emission | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/05 15:05 |

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|-----|------|--|---|----|-----|------------------|
| S14 | 314 | chemical near1 weapon and (detonation or detonate or destruction or destroy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:25 |
| S15 | 108 | S14 and emission | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/05 15:15 |
| S16 | 228 | (86/50).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/05 15:15 |
| S17 | 40 | (588/321).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/05 15:15 |
| S18 | 3 | (588/400).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/05 15:15 |
| S19 | 81 | (588/401).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/05 15:15 |
| S20 | 345 | S16 or S17 or S18 or S19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/05 15:15 |
| S21 | 13 | ("3766866" "5028452" "5256854" "5288969" "5410121" "5541386" "5743196" "5779991" "5798496" "5874014" "6187988").PN. OR ("6552295").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 08:58 |
| S22 | 8533 | (gas or emission) and (treater or treatment or neutralize or neutralization) and alkaline with (powder or solid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 20:44 |
| S23 | 8533 | (gas or emission) and (treater or treatment or neutralize or neutralization) and (alkaline with (powder or solid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 09:05 |

EAST Search History

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|-----|------|--|---|----|----|------------------|
| S24 | 257 | (gas or emission) and (treater or treatment or neutralize or neutralization) and (alkaline adj (powder or solid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 10:49 |
| S25 | 49 | ("3408432" "3464249" "3485075" "3611766" "3721201" "3793101" "3800715" "3800716" "3903814" "3910084" "3915104" "4027601" "4079612" "4081982" "4085883" "4100783" "4174624" "4248342" "4325309" "4478350" "4632041" "4686911" "4781145" "4836079" "4875420" "4879890" "5044252" "5339666" "5419862" "5458071" "5495812" "5613453" "5668342" "5792978" "5875996" "5884569" "5884709" "5997668" "6173662" "RE36912").PN. OR ("6354181"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 09:24 |
| S26 | 33 | ("3601070" "4019444" "4061476" "4196173" "4210428" "4246242" "4251236" "4273747" "4274842" "4312646" "4317806" "4355013" "4617180" "4619608" "4620492" "4708853" "4729882" "4795619" "4844875" "4865828" "4889698" "5002743" "5009871" "5018457" "5035188" "5209912" "5238665" "5352420").PN. OR ("5607654"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 09:36 |
| S27 | 0 | S26 and (chemical near3 weapon) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 09:37 |
| S28 | 970 | "1" and (chemical near3 weapon) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 09:37 |
| S29 | 1 | S25 and (chemical near3 weapon) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:17 |
| S30 | 5462 | explosive and ((cool or cooling) with gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:19 |

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|-----|------|--|---|----|----|------------------|
| S31 | 12 | (chemical adj weapon) and explosive and ((cool or cooling) with gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:26 |
| S32 | 1 | (chemical adj weapon) and explosive and (antechamber) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:44 |
| S33 | 0 | explosive and (incinerate or incineration) and (antechamber) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:45 |
| S34 | 0 | weapon and (incinerate or incineration) and (antechamber) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:45 |
| S35 | 6 | (incinerate or incineration) and (antechamber) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:57 |
| S36 | 234 | pulse adj limiter | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/18 10:57 |
| S37 | 3 | pulse adj limiter and (explosive or ordnance) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:09 |
| S38 | 5300 | oxygen with (higher or more) and (explosive or ordnance) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:10 |
| S39 | 17 | oxygen with (higher or more) and (explosive or ordnance) and (chemical with weapon) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:22 |
| S40 | 1012 | oxygen with (higher or more) and (explosive or ordnance) and (destruction or neutralize or neutralization) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:23 |
| S41 | 75 | oxygen with (higher or more) and (explosive or ordnance) and (chemical and weapon) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 19:52 |
| S42 | 317 | chemical near1 weapon and (detonation or detonate or destruction or destroy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:25 |
| S43 | 138 | S42 and oxygen | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/22 16:25 |

EAST Search History

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|-----|-----|---|------------------------------|----|-----|------------------|
| S44 | 377 | (detonation and cooling) and explosive and ((cool or cooling) with gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:28 |
| S45 | 22 | (detonation and cooling) and explosive and ((cool or cooling) with gas) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:43 |
| S46 | 3 | detonation and (cool\$3) and explosive and ((cool or cooling) with (gas and fan)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:44 |
| S47 | 36 | ("0683218" "1234848" "1799206" "2076815" "2894466" "3225721" "4098586" "4154685" "4303022" "4320709" "4478126" "4673413" "5027719" "5062372" "5207176" "5226375" "5298196" "5336842" "5407647" "5419862" "5423271" "5495063" "5527983" "5614156" "5741465" "5881654" "5884569" "5901759" "6173662" "RE36912").PN. OR ("6431094"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:52 |
| S48 | 36 | ("0683218" "1234848" "1799206" "2076815" "2894466" "3225721" "4098586" "4154685" "4303022" "4320709" "4478126" "4673413" "5027719" "5062372" "5207176" "5226375" "5298196" "5336842" "5407647" "5419862" "5423271" "5495063" "5527983" "5614156" "5741465" "5881654" "5884569" "5901759" "6173662" "RE36912").PN. OR ("6431094"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 16:52 |
| S49 | 3 | (oxygen with enrichment) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 20:06 |
| S50 | 1 | ("5607654").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/22 20:18 |
| S51 | 31 | decontamination and (explosive or ordnance) and (chamber) and (incinerat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 20:18 |

EAST Search History

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|-----|-----|---|---|----|-----|------------------|
| S52 | 33 | ("3601070" "4019444" "4061476" "4196173" "4210428" "4246242" "4251236" "4273747" "4274842" "4312646" "4317806" "4355013" "4617180" "4619608" "4620492" "4708853" "4729882" "4795619" "4844875" "4865828" "4889698" "5002743" "5009871" "5018457" "5035188" "5209912" "5238665" "5352420").PN. OR ("5607654"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/22 20:29 |
| S53 | 66 | (gas or emission) and (treater or treatment or treating or neutralize or neutralization or neutralizing) and (explosive or ordnance) and weapon and ((alkaline adj (powder or solid)) or (crushed adj limestone) or (calcium adj carbonate) or (sodium adj carbonate) or (potassium adj bicarbonate) or (potassium adj carbonate) or (sodium adj hydroxide) or (potassium adj hydroxide) or (magnesium adj hydroxide) or (activated adj alumina)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 17:51 |
| S54 | 2 | (explosive adj detonation adj temperature) and (chemical) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 15:49 |
| S55 | 0 | (explosive adj detonation adj temperature) and (hazardous) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 15:50 |
| S56 | 257 | ((ordnance or explosive) with (incineration or detonation) with temperature) and (chemical or hazardous) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 15:51 |
| S57 | 90 | ((ordnance or explosive) with (incineration or detonation) with temperature) and (chemical or hazardous) and chamber | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 15:53 |
| S58 | 37 | ((ordnance or explosive) with (incineration or detonation) adj temperature) and (chemical or hazardous) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 17:23 |
| S59 | 1 | ("4875420").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 17:23 |

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|-----|----|---|---|----|-----|------------------|
| S60 | 62 | (gas or emission) and (treater or treatment or treating or neutralize or neutralization or neutralizing) and (explosive or ordnance) and weapon and ((alkaline adj (powder or solid)) or (crushed adj limestone) or (calcium adj carbonate) or (sodium adj carbonate) or (potassium adj bicarbonate) or (potassium adj carbonate) or (sodium adj hydroxide) or (potassium adj hydroxide) or (magnesium adj hydroxide) or (activated adj alumina)) and (powder or solid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 18:16 |
| S61 | 28 | (gas or emission) and (treater or treatment or treating or neutralize or neutralization or neutralizing) and (explosive or ordnance) and weapon and (((alkaline adj (powder or solid)) or (crushed adj limestone) or (calcium adj carbonate) or (sodium adj carbonate) or (potassium adj bicarbonate) or (potassium adj carbonate) or (sodium adj hydroxide) or (potassium adj hydroxide) or (magnesium adj hydroxide) or (activated adj alumina)))) same (powder or solid) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 18:50 |
| S62 | 2 | ((("5881654") or ("5649324")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 18:50 |

EAST Search History

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|----------------------|----|--|------------------------------|----|----|------------------|
| S63 | 70 | US-3169478-\$.DID. OR US-3435763-\$.DID. OR US-4079612-\$.DID. OR US-5419862-\$.DID. OR US-5970841-\$.DID. OR US-0050524-\$.DID. OR US-0126976-\$.DID. OR US-0129025-\$.DID. OR US-2789076-\$.DID. OR US-2807056-\$.DID. OR US-2931751-\$.DID. OR US-2977106-\$.DID. OR US-3032835-\$.DID. OR US-3150618-\$.DID. OR US-3192098-\$.DID. OR US-3239092-\$.DID. OR US-3678624-\$.DID. OR US-3711993-\$.DID. OR US-3766844-\$.DID. OR US-3801416-\$.DID. OR US-4013190-\$.DID. OR US-4055247-\$.DID. OR US-4111753-\$.DID. OR US-4149649-\$.DID. OR US-4325309-\$.DID. OR US-4432285-\$.DID. OR US-4478126-\$.DID. OR US-4478350-\$.DID. OR US-4545286-\$.DID. OR US-4574105-\$.DID. OR US-4632041-\$.DID. OR US-4709453-\$.DID. OR US-4727789-\$.DID. OR US-4824624-\$.DID. OR US-5044252-\$.DID. OR US-5149911-\$.DID. OR US-5207176-\$.DID. OR US-5233932-\$.DID. OR US-5263425-\$.DID. OR US-5329864-\$.DID. OR US-5333532-\$.DID. OR US-5481062-\$.DID. OR US-5522326-\$.DID. OR US-5613453-\$.DID. OR US-5668342-\$.DID. OR US-5689084-\$.DID. OR US-5727481-\$.DID. OR US-5884569-\$.DID. OR US-5884709-\$.DID. OR US-RE36912-\$.DID. OR US-6173662-\$.DID. OR US-6196107-\$.DID. OR US-6200664-\$.DID. OR US-6342186-\$.DID. OR US-6354181-\$.DID. OR US-6647851-\$.DID. OR US-6705242-\$.DID. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 18:52 |
| 5/24/2006 1:54:58 PM | | C:\Documents and Settings\sknox\My Documents\EAST\Workspaces\10_821020.wsp | | | | Page 14 |

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|-----|------|--|------------------------------|----|-----|------------------|
| S64 | 0 | S63 and alkali\$2 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:06 |
| S65 | 0 | ((dry adj scrubbing) same (alkali or alkaline)) and weapon and incinerat\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:03 |
| S66 | 0 | ((dry adj scrubbing) same (alkali or alkaline)) and weapon and (detonat\$3 or incinerat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:03 |
| S67 | 0 | ((dry with scrub\$4) same (alkali or alkaline)) and weapon and (detonat\$3 or incinerat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:04 |
| S68 | 6 | ((dry with scrub\$4)) and weapon and (detonat\$3 or incinerat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:04 |
| S69 | 1 | S63 and ((dry with scrub\$3) or alkali\$3 or catalytic) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:44 |
| S70 | 4 | ((dry with scrub\$3) or alkali\$3) and (heated adj gas) and (explosive or ordnance) and weapon | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:49 |
| S71 | 517 | (422/172).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 19:49 |
| S72 | 1213 | (422/171).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 19:49 |
| S73 | 1931 | (422/177).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/23 19:49 |
| S74 | 41 | S71 and (dry with scrub\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 19:50 |
| S75 | 6 | S71 and (alkali\$3 and heated adj gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:00 |
| S76 | 49 | S71 and (alkali\$3 same reaction) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:03 |
| S77 | 37 | S71 and (alkali\$3 same scrub\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:04 |
| S78 | 35 | S71 and (alkali\$3 same (scrub\$4 and (dry or spray or gas))) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:05 |

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|-----|----|---|---|----|----|------------------|
| S79 | 15 | S71 and (alkali\$3 same (heat\$3 and scrub\$4. and (dry or spray or gas))) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:05 |
| S80 | 48 | ("3601070" "4019444" "4196173" "4274842" "4619608" "4620492" "4708853" "4729882" "4795619" "4844875" "4865828" "4889698" "5002743" "5009871" "5018457" "5021229" "5035188" "5185134" "5209912" "5346674" "5352420").PN. OR ("5569436"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:19 |
| S81 | 3 | S80 and (alkali\$3 with heat\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:23 |
| S82 | 88 | (S71 S72 S73) and (alkali\$2 same heat\$3 same gas) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:24 |
| S83 | 36 | (S71 S72 S73) and (alkali\$2 same heat\$3 same (gas and (powder or solid or spray))) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:24 |
| S84 | 44 | (S71 S72 S73) and (alkali\$2 same heat\$3 same (gas and (powder or solid or spray or dry))) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:24 |
| S85 | 18 | (explosive or ordnance) and (detonation or deflagration) and (chamber) and (airlock or air adj lock) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 20:51 |
| S86 | 48 | ("3408432" "3464249" "3485075" "3611766" "3721201" "3793101" "3800715" "3903814" "3910084" "3915104" "4027601" "4079612" "4081982" "4085883" "4100783" "4174624" "4248342" "4325309" "4478350" "4632041" "4686911" "4781145" "4836079" "4875420" "4879890" "5044252" "5339666" "5419862" "5458071" "5495812" "5613453" "5668342" "5792978" "5875996" "5884709").PN. OR ("6173662"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/23 20:46 |

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|-----|---|---|---|----|-----|------------------|
| S87 | 5 | (explosive or ordnance) and (detonation or deflagration) and (airlock or air adj lock) and ((inlet or outlet) with gas) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/23 20:54 |
| S88 | 3 | ((("6173662") or ("5884569") or ("re36912"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/05/24 10:35 |